

Pavement Marking System & Optic Materials Acceptance Chart

Material Code	Material Name	Material Comments	Requirement	Test Template	Requirement Comments
708.08(a)	Polyurea Pavement Marking	Durable applications	APL	TA556	
708.08(b)	Low VOC Traffic Paint	Rarely used	Type A Certification	CT-TYPEA00	
			Paint Test	PT-PAINT11	
708.08(c)	Epoxy Paint	Durable applications	APL	TA556	
708.08(d)	Waterborne Traffic Paint	Non-durable applications, including temporary applications for more than 14 calendar days.	Type A Certification	CT-TYPEA00	
			Paint Test	PT-PAINT11	
708.08(e)	Methyl-methacrylate Paint	Rarely used	APL	TA556	
708.09(a)	Glass Beads	Commonly used with waterborne paint in non-durable applications. Also commonly used in conjunction with Premium Optics for durable applications.	Type A Certification	CT-TYPEA00	
			Retroreflectivity Test (only if used in durable long line)	PT-708-DY	Pick 1 depending on line type (Double Yellow, Single White, Single
				PT-708-SW	
708.09(b)	Premium Optics	Commonly used alone or with Glass Beads in durable applications to obtain higher retroreflectivity.	APL	TA556	
			Retroreflectivity Test (only if used in durable long line)	PT-708-DY	Pick 1 depending on line type (Double Yellow, Single White, Single
				PT-708-SW	
708.09(c)	Wet Reflective/Wet Recoverable Optics	Used in conjunction with Glass Beads and/or Premium Optics to obtain better retroreflectivity in wet conditions.	APL	TA556	
			Retroreflectivity Test (only if used in durable long line)	PT-708-DY	Pick 1 depending on line type (Double Yellow, Single White, Single
				PT-708-SW	
708.10(a)	Thermoplastic Pavement Marking, Type A	Extruded marking material for durable long line applications.	APL	TA556	
708.10(b)	Thermoplastic Pavement Marking, Type B	Preformed marking material for durable letter and symbol applications.	APL	TA556	
			Retroreflectivity Test	PT-708-DY	Pick 1 depending on line type (Double Yellow, Single White, Single
				PT-708-SW	
708.11	Raised Pavement Markers, Type I		APL	TA556	
708.12(a)	Pavement Marking Tape, Type A	For high AADT long line durable applications.	APL	TA556	
			Retroreflectivity Test	PT-708-DY	Pick 1 depending on line type (Double Yellow, Single White, Single
				PT-708-SW	
708.12(b)	Pavement Marking Tape, Type B	For lower AADT long line durable applications.	APL	TA556	
			Retroreflectivity Test	PT-708-DY	Pick 1 depending on line type (Double Yellow, Single White, Single
				PT-708-SW	
				PT-708-SY	Single White, Single

			APL	TA556	
			Retroreflectivity Test	PT-708-DY PT-708-SW PT-708-SY	Pick 1 depending on line type (Double Yellow, Single White, Single
708.12(c)	Pavement Marking Tape, Type C	For intersection durable applications.			
708.12(d)	Pavement Marking Tape, Type D	Cut Type A, B, or C Tapes used for symbol and legend durable applications.	APL	TA556	
708.13(a)	Line Striping Targets	For temporary markings less than 14 calendar days.	APL	TA556	
708.13(b)	Raised Pavement Markers, Type II		APL	TA556	
708.13(c)	Temporary Pavement Marking Tape	For temporary markings less than 14 calendar days.	APL	TA556	
708.13(d)	Pavement Marking Mask	To mask existing pavement markings.	APL	TA556	
<p>Notes: PT-708-DY, PT-708-SW, PT-708-SY retroreflectivity tests are done on the marking "system" for durable long line applications. The "system" may be just the marking material itself (tape, type B thermoplastic), the marking material and an intermix optic (type A thermoplastic with no drop-on), the marking material and an intermix optic with a drop-on optic (type A thermoplastic with a drop-on), the marking material and one drop-on optic (polyurea with premium optics), the marking material with multiple drop-on optics (epoxy with a glass bead product and a premium optic product, or multiple premium optic products), or any other combination of materials that is allowed per the Spec. As long as the retroreflectivity minimums are met, the Contractor may use any combination of marking material and optic unless otherwise specified in the Contract Documents. The retroreflectivity test is testing the marking "system" (once per Pay Item). Technically, the test should not be attributed to a specific material, but SiteManager does not have the capability to have a test applied to a pay item without a material designated for that test. Because of this, the retroreflectivity test will be applied to the optic material (708.09 materials). If more than one optic material is used, the test shall be applied to the highest quality of optic material (assuming the following order of quality from low to high: 708.09(a) Glass Beads, 708.09(b) Premium Optics, 708.09(c) Wet Reflective/Recoverable Optics).</p>					